## 1 Kinematica

## 1.1 Transformatiematrices

$$R^{x'y'z'\to xyz} = \begin{bmatrix} 1 & 0 & 0\\ 0 & \cos(\alpha) & -\sin\alpha\\ 0 & \sin\alpha & \cos(\alpha) \end{bmatrix}$$

## 1.2 Vraag 1

 $\overrightarrow{\omega_g}$ 

## 2 Dynamica